

METHODS AND APPARATUS FOR SUPPLYING
FEED AIR TO TURBINE COMBUSTORS

ABSTRACT OF THE DISCLOSURE

A method enables a gas turbine engine to be assembled. The method includes providing a combustor including a liner that defines a combustion chamber therein, and coupling a casing within the gas turbine engine to extend circumferentially around the combustor liner, wherein the casing includes an inlet and a scroll duct that is coupled in flow communication to the inlet and extends at least partially circumferentially around the liner. The method also includes coupling the inlet in flow communication with a feed air source.